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HEREDITARY HEMOCHROMATOSIS GENE**ABSTRACT OF THE DISCLOSURE**

The invention relates generally to the gene, and mutations thereto, that are responsible for the disease hereditary hemochromatosis (HH). More particularly, the invention relates to the identification, isolation, and cloning of the DNA sequence corresponding to the normal and mutant HH genes, as well as the characterization of their transcripts and gene products. The invention also related to methods and the like for screening for HH homozygotes and further relates to HH diagnosis, prenatal screening and diagnosis, and therapies of HH disease, including gene therapeutics, protein and antibody based therapeutics, and small molecule therapeutics.

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